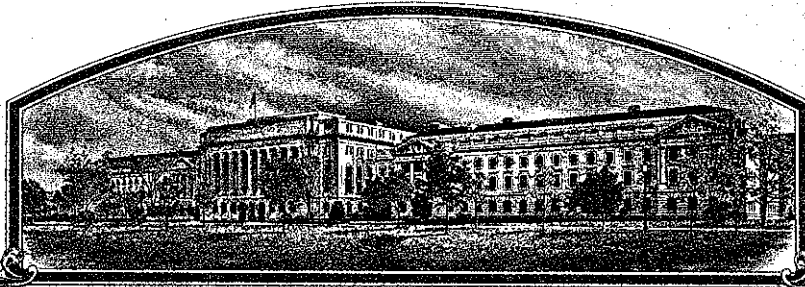


No.

7900077



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Rothermel Seed Company

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S), AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXHIBIT OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (U.S.C. 352, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

FIELD CORN

'Seagull Seventeen'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 26th day of June in the year of our Lord one thousand nine hundred and eighty.

Attest:

Sumner H. Lane
Commissioner
Plant Variety Protection Office
Grain Division

[Signature]

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY SG - 17		1b. VARIETY NAME Seagull Seventeen		FOR OFFICIAL USE ONLY PV NUMBER 7900077	
2. KIND NAME Dent Corn Inbred		3. GENUS AND SPECIES NAME Zea Mays		FILING DATE 4-25-79	TIME 3:00 A.M. P.M.
4. FAMILY NAME (BOTANICAL) Gramineae		5. DATE OF DETERMINATION November 1, 1976		FEE RECEIVED \$ 250.00 \$ 250.00 \$ 250.00	DATE 4-25-79 4-25-79 5-16-80
6. NAME OF APPLICANT(S) Rothermel Seed Company		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 320 North Calhoun Street West Liberty, Iowa 52776		8. TELEPHONE AREA CODE AND NUMBER Code 319 627-2517	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Partnership		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION N/A		11. DATE OF INCORPORATION N/A	

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

Alan Rothermel
Box 79
West Liberty, Iowa 52776

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- R/S 4/25/79*
- ☒ 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- ☒ 13B. Exhibit B, Novelty Statement.
- ☒ 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- ☐ 13D. Exhibit D, Additional Description of the Variety.

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed?
(See Section 83(a). (If "Yes," answer 14B and 14C below.) ☐ YES ☒ NO14B. Does the applicant(s) specify that this variety be limited as to number of generations? ☐ YES ☒ NO14C. If "Yes," to 14B, how many generations of production beyond breeder seed? ☐ FOUNDATION ☐ REGISTERED ☐ CERTIFIED15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal? ☒ YES ☐ NO

16. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

12/1/78
(DATE)

Rothermel Seed Co., Inc.
(SIGNATURE OF APPLICANT)
Alan J. Rothermel
(SIGNATURE OF APPLICANT) **1**

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, National Agricultural Library, Beltsville, Maryland 20705. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.

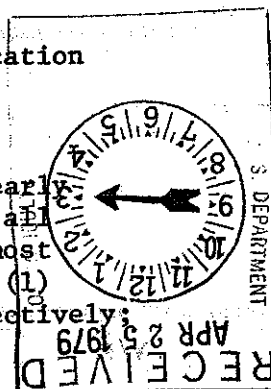
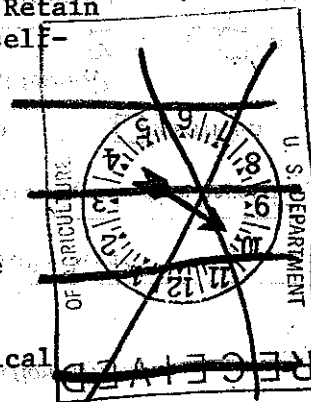
13a Give (1), the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. (2), the details of subsequent stages of selection and multiplication. (3), the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4), evidence of stability.

13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties; (1) identify these varieties and state all differences objectively; (2) Attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.

13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.

14A If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)





Seagull SEED CORN

TELEPHONE 319-627-2517

7900077

ROTHERMEL SEED COMPANY

P.O. Box 79 — WEST LIBERTY, IOWA 52776

April 20, 1979

EXHIBIT 13A

SEAGULL SEVENTEEN *rys*

~~SG-17~~ is derived from a cross of MD17 x X (other parent unknown), and inbreeding for successive generations. The original material was taken from a large population of male MD17 and appeared as a rogue in the crossing field.

From the original ear to row planting, inbreeding selection and test crosses were made, starting in 1975 through 1978. ~~SG-17~~ now appears to be a stable inbred line.

SEAGULL SEVENTEEN *rys*

APPLICANT:

Alan F. Rothermel

Corn Application No.:

7900077

For:

'Seagull Seventeen'

EXHIBIT A

- 1) The details of subsequent stages of selection and multiplication: ~~SG17~~ ^{SEAGULL SEVENTEEN R/S} is derived from a cross of Mol7 x X (other parent unknown), and inbreeding for successive generations. The original material was taken from a large population of male Mol7 and appeared as a rogue in the crossing field.
- 2) The type and frequency of variants that are a part of ~~SG17~~: ^{SEAGULL SEVENTEEN}
^{SEAGULL SEVENTEEN}
~~SG17~~ has $\frac{1}{2}$ of 1% or less rogues. Rogues appear as taller, more vigorous plants, usually with larger, white cobbled ears.
- 3) The evidence of stability:
From the original ear to row planting, inbreeding selection and test crosses were made, starting in 1975 through 1978. We used ~~SG17~~ ^{SEAGULL SEVENTEEN} this past growing season as a pollen parent for SG41. It demonstrates all the characteristics of a stable inbred line.
(See L. Chad James's Affidavit).

7900077

EXHIBIT A

IN THE UNITED STATES PLANT VARIETY PROTECTION OFFICE

APPLICANT: Alan F. Rothermel
Corn Application No.: 7900077
For: 'Seagull Seventeen'
Commissioner: Bernard M. Leese

AFFIDAVIT

I, CHAD JAMES, West Liberty, Iowa, grew an increase block of Seagull Seventeen (SG 17) in 1978 for Rothermel Seed Company.

This inbred appeared to be uniform in height and uniform in other plant characteristics that normally describe a stable inbred line.

1/26/80
Date

L. Chad James, Grower
L. Chad James, Grower



Seagull SEED CORN

TELEPHONE 319-627-2517

ROTHERMEL SEED COMPANY

P.O. Box 79 — WEST LIBERTY, IOWA 52776

7900077

April 20, 1979

EXHIBIT 13B

SEAGULL SEVENTEEN

SEAGULL SEVENTEEN

~~SG-17~~ most closely resembles MD17 except ~~SG-17~~ is two days later silking, has less pollen shedding ability, has lighter colored cobs, and has higher yield potential than MD17.

Yield data comparisons are attached.

APPLICANT:

Alan F. Rothermel

Corn Application No.:

7900077

For:

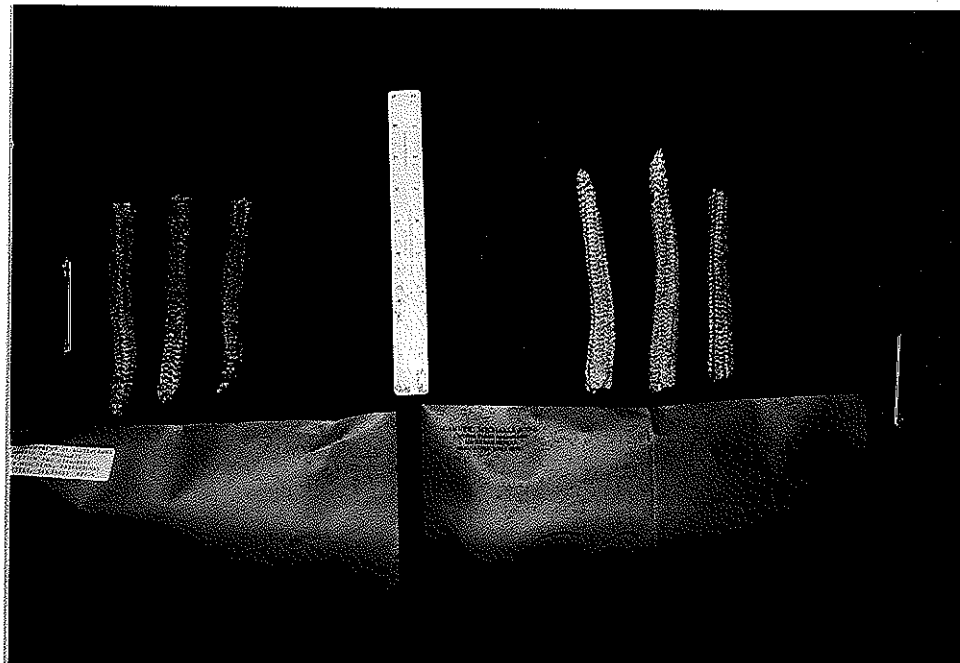
'Seagull Seventeen'

EXHIBIT B

SEAGULL SEVENTEEN

~~6617~~ has light pink cobs

Mol7 has reddish-brown cobs



↑ *SEAGULL SEVENTEEN*

rys

[SG17] SEABULL SEVENTEEN RJS

FORM APPROVED. OMB NO. 40-R3712

FORM GR-470-28
(2-15-74)UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782EXHIBIT C
(Corn)OBJECTIVE DESCRIPTION OF VARIETY
CORN (ZEA MAYS)

NAME OF APPLICANT(S) Rothermel Seed Company	FOR OFFICIAL USE ONLY
ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 320 North Calhoun Street West Liberty, IA 52776	PVPO NUMBER 7900077 RJS
	VARIETY NAME OR TEMPORARY DESIGNATION SEABULL SEVENTEEN

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g., or) when number is either 99 or less or 9 or less.

1. TYPE:

<input type="text" value="2"/>	1 = SWEET	2 = DENT	3 = FLINT	4 = FLOUR	5 = POP	6 = ORNAMENTAL
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2. REGION WHERE BEST ADAPTED IN THE U.S.A.:

<input type="text" value="2"/>	1 = NORTHWEST	2 = NORTHCENTRAL	3 = NORTHEAST	4 = SOUTHEAST
	5 = SOUTHCENTRAL	6 = SOUTHWEST	7 = MOST REGIONS	

3. MATURITY (In Region of Best Adaptability):

(Under "comments" (pg. 3) state how heat units were calculated)

<input type="text" value="8"/> <input type="text" value="4"/>	DAYS FROM EMERGENCE TO 50% OF PLANTS IN SILK	<input type="text" value="1"/> <input type="text" value="6"/> <input type="text" value="3"/> <input type="text" value="0"/>	HEAT UNITS
<input type="text" value="N/A"/>	DAYS FROM 50% SILK TO OPTIMUM EDIBLE QUALITY	<input type="text" value="N/A"/>	HEAT UNITS
<input type="text" value="6"/> <input type="text" value="4"/>	DAYS FROM 50% SILK TO HARVEST AT 25% KERNEL MOISTURE	<input type="text" value="9"/> <input type="text" value="7"/> <input type="text" value="0"/>	HEAT UNITS

4. PLANT:

 CM. HEIGHT (To tassel tip) CM. EAR HEIGHT (To base of top ear) CM. LENGTH OF TOP EAR INTERNODE

Number of Tillers:

<input type="text" value="1"/>	1 = NONE	2 = 1-2	3 = 2-3	4 = > 3
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Number of Ears Per Stalk:

<input type="text" value="1"/>	1 = SINGLE	2 = SLIGHT TWO-EAR TENDENCY
	3 = STRONG TWO-EAR TENDENCY	4 = THREE-EAR TENDENCY

Cytoplasm Type:

<input type="text" value="1"/>	1 = NORMAL	2 = "T"	3 = "S"	4 = "C"	5 = OTHER (Specify) _____
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5. LEAF (Field Corn Inbred Examples Given):

Color:

<input type="text" value="1"/>	1 = LIGHT GREEN (HY)	2 = MEDIUM GREEN (WF9)	3 = DARK GREEN (B14)	4 = VERY DARK GREEN (K166)
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Angle from Stalk (Upper half):

<input type="text" value="2"/>	1 = < 30°	2 = 30-60°	3 = > 60°
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Sheath Pubescence:

<input type="text" value="2"/>	1 = LIGHT (W22)	2 = MEDIUM (WF9)
	3 = HEAVY (OH26)	

Marginal Waves:

<input type="text" value="2"/>	1 = NONE (HY)	2 = FEW (WF9)	3 = MANY (OH7L)
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Longitudinal Creases:

<input type="text" value="2"/>	1 = ABSENT (OH51)	2 = FEW (OH56A)
	3 = MANY (PA11)	

Width:

 CM. WIDEST POINT OF EAR NODE LEAF

Length:

 CM. EAR NODE LEAF NUMBER OF LEAVES PER MATURE PLANT